

# Owner's Manual

Cat. No. 21-1806

## SPECIFICATIONS

Channels ..... 14  
 Quiet Codes ..... Standard CTCSS Tones  
 Output Power ..... 500 mW ERP  
 Battery Life:  
 (Alkaline) ..... 30 Hours (2300 mAh)  
 (NiCd) ..... 8 Hours (600 mAh)  
 Frequencies:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	462.5625	8	467.5625
2	462.5875	9	467.5875
3	462.6125	10	467.6125
4	462.6375	11	467.6375
5	462.6625	12	467.6625
6	462.6875	13	467.6875
7	462.7125	14	467.7125

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### RadioShack Limited Warranty

This product is warranted against defects for 90 days from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

*We Service What We Sell* 10/95

**RadioShack**  
 A Division of Tandy Corporation  
 Fort Worth, Texas 76102

10A6

Printed in Thailand



**FRS-106**

- n No License Required!
- n Flip-Phone Styling for Discreet Use
- n Clear Communications Up to Several Miles
- n Automatic Power Save
- n Automatic Squelch
- n Quiet Channel Feature
- n Audible Page

RadioShack welcomes you to the next generation of personal communication — the Family Radio Service (FRS). FRS is a new license-free, two-way, short-range voice radio service that lets families and groups keep in touch with each other on specific reserved channels.



**RadioShack™**

## INTRODUCTION

Your RadioShack FRS-106 is a lightweight, palm-sized radio that you can carry almost anywhere. Use it at shopping malls, amusement parks, or sports events to contact family and friends, or in a neighborhood watch for vital communications. The radio's flip-phone styling lets you listen to transmissions privately, even in public places.

You can talk with another person who has an FRS radio if both radios are tuned to the same *channel*. Your radio has 14 channels. (Each channel is a specific *frequency*.)

If someone else is using the channel you selected and you do not want to hear that person, select another channel or use the quiet feature (see "Using the Quiet Feature" on Page 6).

Your radio has *auto-squelch*, which means you won't hear anything on a channel unless someone is transmitting nearby on the same channel. You can turn off auto-squelch to hear weaker, distant transmissions (see Pages 4–5).

Also, if you do not transmit for over 8 seconds, the radio automatically switches to a *power save mode*, and **SAVE** appears on the display. The radio returns to full power usage when it receives a transmission or you press any key.

We recommend you record your radio's serial number here. The number is on the radio's back panel.

Serial Number:

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## FCC INFORMATION

**Important:** Do not open your radio to make any internal adjustments. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by a qualified technician using the proper test equipment. To be safe and sure:

- Never open your radio's case.
- Never change or replace anything in your radio except the batteries.

Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is causing the interference, turn it off. If the interference goes away, your radio is causing it. Try to eliminate the interference by:

- Moving your radio away from the receiver
- Calling your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using the radio.

## CARING FOR YOUR RADIO

To enjoy your radio for a long time:

- Handle it gently.
- Keep it away from dust, moisture, and temperature extremes.
- Clean it with a damp cloth. Do not use harsh chemicals.

Modifying or tampering with the radio's internal components can cause a malfunction and might invalidate the radio's warranty and void your FCC authorization to operate it. If your radio is not performing as it should, take it to your local RadioShack store for assistance.

## USING THE QUIET FEATURE

The quiet feature lets you talk and listen to people who are using other radios set to the same channel and quiet code. This is like having a sub-channel within a channel, giving you greater communication flexibility. When you set a quiet code (38 to choose from) and turn on this feature, you can communicate with anyone who has a radio set to the same channel and code.

1. Select a channel to add a code to.
2. Hold down **FUNC**, then press **STORE**. **QUIET**, **OFF**, and **TONE TX/RX\*** appear on the display. The code number appears instead of **OFF** if the channel is already programmed with a code.  
\* **TX/RX** means transmit/receive
3. Repeatedly press **CHANNEL** **▼** or **▲** until you see the code number you want to select.
4. Hold down **FUNC**, then press **STORE** or **PTT** to store the code.

Now, select a channel where you stored a code to use the quiet code. **QUIET** appears on the display. Press **QUIET** until **QUIET** disappears to disable the quiet code on the selected channel. Press **QUIET** again to re-enable it.

To clear a quiet code from a channel, repeat Steps 1–4, pressing **CHANNEL** **▼** or **▲** in Step 3 until **OFF** appears.

To set one code for the transmit side of a channel and a different code for the receive side, repeat Steps 1–3 (select the receive code in Step 3) then press **STORE**. **TONE /RX** appears. Press **STORE** again. **TONE TX** appears. Then repeatedly press **CHANNEL** **▼** or **▲** to select the transmit code, hold down **FUNC**, then press **STORE**.

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## INSTALLING BATTERIES

Your radio uses four AA batteries for power. You can use alkaline or rechargeable batteries. (If you use rechargeable batteries, you must charge them before you can use them in the radio).

**Caution:** Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Be sure the radio is off, then remove the battery compartment as shown below. Slide the battery holder in either direction and install the batteries as indicated by the polarity symbols (+ and –) inside the compartment.

(illus - show batteries being installed in battery pack. Show battery pack being removed from radio (arrow pointing to removal latch). Also show polarities on batteries/pack and directions of travel of battery retainer slide)

Slide the battery holder to the center of the battery compartment, then snap the battery compartment onto the radio.

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## USING THE RADIO

**To talk**, hold down **PTT** (push to talk) and speak into the microphone.

**TX** appears on the display. When you finish speaking, release **PTT**.

See "Using the Quiet Feature" on Page 6.

**To select a channel**

**To turn the radio on and off**, hold this down for about 1 second.

You can lock most of the radio's keys so they don't work until you unlock them, to avoid accidentally changing the radio's settings. To lock and unlock the front panel keys (except **ON/OFF**, **VOLUME**  $\nabla/\blacktriangle$ , and  $\odot$ ), press  $\odot$ . **LOCK** appears on the display when the keys are locked.

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To hear everything happening on a channel, including weak transmissions and radios set to a different quiet code, hold down **M** (monitor). **BUSY** appears on the display. Release **M** to turn auto-squelch back on.

**Speaker**

**Display**

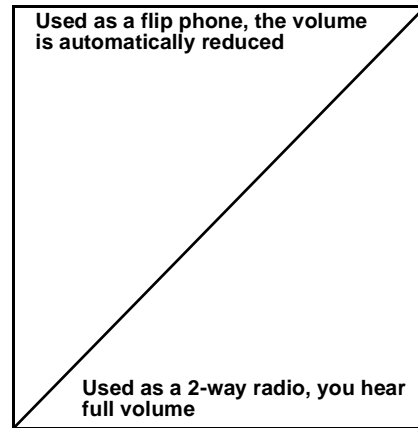
You can cause a paging tone to sound on all radios tuned to the same channel (and quiet code, if used). To send a page, hold down **CALL** (for up to 10 seconds). **TX** flashes on the display.

**To control the volume**

To light the display

(illus - show radio turned slightly sideways to show **M** and **PTT** keys)

**Microphone**



**Important:** Do not hold the radio's speaker against your ear with this key cover closed. The radio is automatically set to a high volume when the key cover is closed.

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